

Recombinant Human Alpha-fetoglobulin Protein

Catalog #	Source	Reactivity	Applications
CRP2570	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human Alpha-fetoglobulin Protein is produced by mammalian expression system and the target gene encoding Arg19-Val609 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Gene Symbol AFP

Alternative Names HPAFP; Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin

Entrez Gene 174 (Human)

SwissProt P02771 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure RTLHRNEYGI ASILDSYQCT AEISLADLAT IFFAQFVQEA TYKEVSKMVK DALTAIEKPT GDEQSSGCLE NQLPAFLEEL CHEKEILEKY GHSDCCSQSE EGRHNCFLAH KKPTPASIPL FQVPEPVTSC EAYEEDRETF MNKFIYEIAR RHPFLYAPTI LLWAARYDKI IPSCCKAENA VECFQTKAAT VTKELRESSL LNQHACAVMK NFGTRTFQAI TVTKLSQKFT KVNFTIQLK VLDVAHVHEH CCRGDVLDCL QDGEKIMSYI CSQQDTLSNK ITECCKLTTL ERGQCIIHAE NDEKPEGLSP NLNRFLGDRD FNQFSSGEKN IFLASFVHEY SRRHPQLAVS VILRVAKGYQ ELLEKCFQTE NPLECQDKGE EELQKYIQES QALAKRSCGL FQKLGEYYLQ NAFLVAYTKK APQLTSSSELM AITRKMAATA ATCCQLSEDK LLACGEGAAD IIIGHLCIRH EMTPVNPVG VQCTSSYANR RPCFSSLVVD ETYVPPAFSD DKFIFHKDLC QAQGVALQTM KQEFLINLVK QKPQITEEQL EAVIADFSGL LEKCCQGQEQ EVCFAEEGQK LISKTRAALG VHHHHHH

Quality Control Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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